Release notes for ENDF/B Development n-056_Ba_132 evaluation



April 26, 2017

- checkr Warnings:
 - 1. A previous error halted parsing of the current section MAT=5631, MF=1, MT=451 (1): Parsing stopped

ERROR(S) FOUND IN MAT=5631, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 246 TO 293

- checkr Errors:
 - 1. A variable is outside the allowed ENDF range MAT=5631, MF=1, MT=451 (0): Variable range

ERROR(S) FOUND IN MAT=5631, MF= 1, MT=451
MOD = 1 OUT OF RANGE 0 - 0 RECORD NUMBER 246

2. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=5631,\ MF=2,\ MT=151\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 295

3. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=3, MT=1 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY RECORD NUMBER 450

4. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=3, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY RECORD NUMBER 475

5. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=3, MT=4 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY RECORD NUMBER 500

6. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=3, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY RECORD NUMBER 516

7. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=3, MT=17 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 17 SECTION 3/ 17 NOT IN DIRECTORY

RECORD NUMBER 526

8. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5631, MF = 3, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 22 SECTION 3/ 22 NOT IN DIRECTORY

RECORD NUMBER 532

9. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5631, MF = 3, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 28

SECTION 3/ 28 NOT IN DIRECTORY

RECORD NUMBER 546

10. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5631, MF = 3, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 51 SECTION 3/51 NOT IN DIRECTORY

RECORD NUMBER 557

11. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5631, MF = 3, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 52 SECTION 3/52 NOT IN DIRECTORY

RECORD NUMBER

12. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5631, MF = 3, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 53 SECTION 3/53 NOT IN DIRECTORY

RECORD NUMBER 587

13. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5631, MF = 3, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 54 SECTION 3/54 NOT IN DIRECTORY

RECORD NUMBER 600

14. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5631, MF = 3, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 55 SECTION 3/55 NOT IN DIRECTORY

RECORD NUMBER 612

15. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5631, MF = 3, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 56 SECTION 3/ 56 NOT IN DIRECTORY

RECORD NUMBER 624

16. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5631, MF = 3, MT = 57 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 57 SECTION 3/ 57 NOT IN DIRECTORY

RECORD NUMBER 636

17. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5631, MF = 3, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 58 SECTION 3/ 58 NOT IN DIRECTORY

RECORD NUMBER 647

18. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5631, MF = 3, MT = 59 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 59 SECTION 3/ 59 NOT IN DIRECTORY

RECORD NUMBER 658

19. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5631, MF = 3, MT = 60 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 60 SECTION 3/ 60 NOT IN DIRECTORY

RECORD NUMBER 668

20. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=3, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT= 91 SECTION 3/ 91 NOT IN DIRECTORY

RECORD NUMBER 678

21. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5631, MF = 3, MT = 102 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT=102 SECTION 3/102 NOT IN DIRECTORY

RECORD NUMBER 687

22. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=3, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT=103 SECTION 3/103 NOT IN DIRECTORY

RECORD NUMBER 706

23. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=3, MT=104 (0): Directory (b)

3

ERROR(S) FOUND IN MAT=5631, MF= 3, MT=104 SECTION 3/104 NOT IN DIRECTORY

RECORD NUMBER 721

24. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5631, MF = 3, MT = 105 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT=105 SECTION 3/105 NOT IN DIRECTORY

RECORD NUMBER 734

25. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5631, MF = 3, MT = 106 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT=106 SECTION 3/106 NOT IN DIRECTORY

RECORD NUMBER 744

RECURD NUMBER 744

26. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=3, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 3, MT=107 SECTION 3/107 NOT IN DIRECTORY

RECORD NUMBER 756

27. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=4, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 4, MT= 2 SECTION 4/ 2 NOT IN DIRECTORY

RECORD NUMBER 773

28. Missing a section in directory so your directory is messed up. This error will break ev-

erything else MAT=5631, MF=4, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 4, MT= 16 SECTION 4/ 16 NOT IN DIRECTORY

RECORD NUMBER 950

29. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5631, MF = 4, MT = 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 4, MT= 17 SECTION 4/ 17 NOT IN DIRECTORY

RECORD NUMBER 961

30. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=4, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 4, MT= 22 SECTION 4/ 22 NOT IN DIRECTORY

RECORD NUMBER 972

31. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=4, MT=28 (0): Directory (b)

4

ERROR(S) FOUND IN MAT=5631, MF= 4, MT= 28 SECTION 4/ 28 NOT IN DIRECTORY

RECORD NUMBER 983

32. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5631, MF = 4, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 4, MT= 51 SECTION 4/ 51 NOT IN DIRECTORY

RECORD NUMBER 994

33. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=4, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 4, MT= 52

SECTION 4/ 52 NOT IN DIRECTORY

RECORD NUMBER 1116

34. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=4, MT=53 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 4, MT= 53 SECTION 4/ 53 NOT IN DIRECTORY

RECORD NUMBER 1141

35. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=4, MT=54 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 4, MT= 54 SECTION 4/ 54 NOT IN DIRECTORY

RECORD NUMBER 1166

36. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=4, MT=55 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 4, MT= 55 SECTION 4/ 55 NOT IN DIRECTORY

RECORD NUMBER 1191

37. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=4, MT=56 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 4, MT= 56 SECTION 4/ 56 NOT IN DIRECTORY

RECORD NUMBER 1216

38. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=4, MT=57 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 4, MT= 57 SECTION 4/ 57 NOT IN DIRECTORY

RECORD NUMBER 1241

39. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=4, MT=58 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 4, MT= 58 SECTION 4/ 58 NOT IN DIRECTORY

RECORD NUMBER 1266

40. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5631, MF = 4, MT = 59 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 4, MT= 59 SECTION 4/ 59 NOT IN DIRECTORY

RECORD NUMBER 1291

41. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=4, MT=60 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 4, MT= 60 SECTION 4/ 60 NOT IN DIRECTORY

RECORD NUMBER 1315

42. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=4, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 4, MT= 91 SECTION 4/ 91 NOT IN DIRECTORY

RECORD NUMBER 1392

43. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=5, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 5, MT= 16 SECTION 5/ 16 NOT IN DIRECTORY

RECORD NUMBER 1417

44. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=5, MT=17 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 5, MT= 17 SECTION 5/ 17 NOT IN DIRECTORY

RECORD NUMBER 1475

45. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=5, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 5, MT= 22 SECTION 5/ 22 NOT IN DIRECTORY

RECORD NUMBER 1497

46. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=5, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5631, MF= 5, MT= 28 SECTION 5/ 28 NOT IN DIRECTORY

RECORD NUMBER 1726

47. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5631, MF=5, MT=91 (0): Directory (b)

• psyche Warnings:

1. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ISOTOPE MASS = 132. L=0 / STRENGTH FUNCTION IS 2.28299E-04 / STRENGTH FUNCTION 2.28299E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ISOTOPE MASS = 132. L = 0

STRENGTH FUNCTION IS 2.28299E-04

STRENGTH FUNCTION 2.28299E-04

... [1 more lines]

2. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.76480E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.76480E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

3. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.78308E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.78308E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

4. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.80003E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.80003E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

... [1 more lines]

5. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.80006E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.80006E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

... [1 more lines]

6. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.79985E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.79985E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

... [1 more lines]

7. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.80007E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.80007E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

8. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.79999E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.79999E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

9. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.80001E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.80001E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

10. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.79998E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.79998E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

... [2 more lines]

11. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.80008E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.80008E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

... [1 more lines]

12. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.79997E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.79997E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

13. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.80011E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.80011E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

14. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.80002E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.80002E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

15. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.80000E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.80000E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

16. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.79983E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.79983E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

17. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.79987E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.79987E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

18. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.80014E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.80014E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

19. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.80010E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.80010E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

20. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.79993E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.79993E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

21. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 / STRENGTH FUNCTION 8.79996E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.76480E-05 STRENGTH FUNCTION 8.79996E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

22. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.79298E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.79298E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

23. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.80020E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.80020E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

... [2 more lines]

24. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.80021E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.80021E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

... [2 more lines]

25. Strength function in URR not in agreement with PSYCHE's expectations FILE~2~/~SECTION~151~/~ENERGY=1.30000E+02.~STRENGTH~FUNCTION~IS~8.79298E-05~/~STRENGTH~FUNCTION~8.80003E-05~/~LIES~OUTSIDE~LIMITS~1.00000E-04~TO~8.00000E-04~(0):~URR~str.~ftn.

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.80003E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

... [1 more lines]

26. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.80023E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.80023E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

27. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.79989E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.79989E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

28. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.79985E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.79985E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

29. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.79998E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.79998E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

30. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.80008E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.80008E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

... [1 more lines]

31. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.80015E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.80015E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

32. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.80000E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.80000E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

33. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.79994E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.79994E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

34. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.80002E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.80002E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

35. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.79982E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.79982E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

36. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.80024E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.80024E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

37. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.79978E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.79978E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

38. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.80014E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.80014E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

39. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.79990E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.79990E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

40. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.80013E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.80013E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

41. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 / STRENGTH FUNCTION 8.79974E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.30000E+02. STRENGTH FUNCTION IS 8.79298E-05 STRENGTH FUNCTION 8.79974E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

- fudge-4.0 Warnings:
 - 1. Missing a channel with a particular angular momenta combination resonances / resolved / MultiLevel_BreitWigner (Error # 0): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"

2. Potential scattering hasn't converted, you need more L's! resonances / resolved (Error # 1): potentialScatteringNotConverged

WARNING: Potential scattering hasn't converged by L=0 at E=130.0 eV, xs[0]/xs[0]=100.0% > 0.1%

3. Cross section does not match sum of linked reaction cross sections crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.65%

4. Cross section does not match sum of linked reaction cross sections $crossSectionSum\ label\ 1:\ (z,n)\ (Error\ \#\ 0):\ CS\ Sum.$

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.15%

- fudge-4.0 Errors:
 - 1. Calculated and tabulated Q values disagree.

 reaction label 12: n[multiplicity:'2'] + Ba131 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -9759889.642700195 eV vs -9.8031e6 eV!

2. Calculated and tabulated Q values disagree. reaction label 13: n[multiplicity:'3'] + Ba130 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -17253394.7943573 eV vs -1.73022e7 eV!

3. Calculated and tabulated Q values disagree. reaction label 14: n + H1 + Cs131 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7601547.449676514 eV vs -7680640. eV!

4. Calculated and tabulated Q values disagree. reaction label 15: Ba133 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 7252414.140319824 eV vs 7187390. eV!

5. Calculated and tabulated Q values disagree. reaction label 16: n + He4 + Xe128 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -937239.5010986328 eV vs -1.0137e6 eV!

6. Calculated and tabulated Q values disagree. reaction label 17: H1 + Cs132-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -434090.3648071289 eV vs -495538. eV!

7. Calculated and tabulated Q values disagree. reaction label 19: H3 + Cs130_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8350427.547302246 eV vs -8464460. eV!

8. Calculated and tabulated Q values disagree. reaction label 20: He3 + Xe130_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -5350547.68081665 eV vs -5427730. eV!

9. Calculated and tabulated Q values disagree. reaction label 21: He4 + Xe129-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 5971424.31867981 eV vs 5.8987e6 eV!

• njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16 only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 17 only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

- ---message from conver---cannot do complete particle production for mt= 22 only mf4/mf5 provided
- 4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 28 only mf4/mf5 provided
- 5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 91 only mf4/mf5 provided